

WHAT IS CLAIMED IS:

1. A seat-load measuring apparatus comprising:
 - a base having an open top and configured to be fixed to a seat bracket configured to support a load imposed on a vehicle seat;
 - an arm supported by the base and configured to receive the load imposed on the vehicle seat;
 - a load sensor supported by the arm to detect the load imposed on the vehicle seat;
 - a rail bracket configured to support a seat rail that movably guides the vehicle seat in a vehicle front-rear direction, and to connect the base to the seat rail;
 - and
 - a load support member connected to the rail bracket and configured to support a load imposed on the seat rail, the load being heavier than a predetermined load,wherein the base is connected under the seat rail with the rail bracket located therebetween.
2. The apparatus of claim 1, wherein the load support member comprises a U-shaped, belt-shaped plate having an arc portion.
3. The apparatus of claim 2, wherein the arm and the rail bracket are connected by a stopper pin, and wherein, when the load heavier than the predetermined load is imposed on the seat rail, the arc portion of the load support member is brought into contact with the stopper pin to support the load.
4. The apparatus of claim 3, wherein the load heavier than the predetermined load is an upward load, and wherein, when the load heavier than the predetermined load is imposed on the seat rail, the arc portion of the load support member moves upward relative to the stopper pin into contact with the stopper pin to support the load.
5. The apparatus of claim 1, wherein the seat bracket is fixed to a vehicle body.

6. An apparatus for measuring a load on a vehicle seat comprising:
 - a base having an open top and positioned under a seat rail that guides the seat in a vehicle front-rear direction;
 - an arm supported by the base and configured to receive the load imposed on the seat;
 - a load sensor configured to detect the load on the seat, wherein the sensor is supported by the arm;
 - a rail bracket located between the base and the seat rail, the bracket being configured to support the seat rail; and
 - a load support member connected to the bracket and configured to support a load imposed on the seat rail that exceeds a predetermined load.